

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
  3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).
  4. ☒ A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.
  5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
    - b. ☐ has been transmitted by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
  7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
    - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
    - b. ☐ have been transmitted by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☐ have not been made and will not be made.
  8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
  9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
  10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
- ☒ **THE UNDERSIGNED ATTORNEY OF RECORD STATES THAT SMALL ENTITY STATUS IS BEING CLAIMED. 37 CFR §1.27(c)(2) as amended 65 Fed. Reg. 54603, dated September 8, 2000.**

**Items 11. to 16. below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☒ An Amendment Before First Office Action
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:
  1. Drawings (3 sheets)
  2. Copy of WO 00/75640 A1
  3. Acknowledgement Postal Card

FORM PTO-1390  
U.S. APPLICATION NO.  
(if know, see 37 CFR 1.5):  
Unknown

INTERNATIONAL APPLICATION NO.:

PCT/EP00/05262

16 Rec'd PCT/PTO SEP 26 2001  
US 09/937547  
ATTORNEY'S DOCKET NUMBER:

HPBC Case 83

17. [X] The following fees are submitted:

CALCULATIONS PTO USE ONLY

**BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):**

Neither international preliminary examination fee (37 CFR 1.482)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO  
and International Search Report not prepared by the EPO or JPO ... \$1000.00  
International preliminary examination fee (37CFR 1.482) not  
paid to USPTO but International Search Report prepared by  
the EPO or JPO ..... \$ 860.00  
International preliminary examination fee (37 CFR 1.482) not  
paid to USPTO but international search fee (37 CFR 1.445(a)(2))  
paid to USPTO ..... \$ 710.00  
International preliminary examination fee paid to USPTO (37  
CFR 1.482) but all claims did not satisfy provisions of PCT  
Article 33(1)-(4) ..... \$ 670.00  
International preliminary examination fee paid to USPTO (37 CFR  
1.482) and all claims satisfied provisions of PCT Article 33(1)-(4).... \$ 100.00

ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 860.00

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(e)). \$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	9	- 20 = 0	X \$ 18.00	\$ 0.00
Ind. claims	1	- 3 = 0	X \$ 80.00	\$ 0.00
MULTIPLE DEPENDENT CLAIMS (if applicable)			+ \$270.00	\$ 0.00
<b>TOTAL OF ABOVE CALCULATIONS</b>				<b>= \$ 860.00</b>

Reduction of 1/2 for filing by small entity, if applicable. Small Entity Statement  
must also be filed (Note 37 CFR 1.9, 1.27, 1.28). - \$ 430.00  
**SUBTOTAL** = \$ 430.00

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(f)). + \$  
**TOTAL NATIONAL FEE** = \$ 430.00

Fee for recording assignment (37 CFR 1.21(h)). The assignment must be accompanied  
by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ 40.00  
**TOTAL FEES ENCLOSED** = \$ 470.00  
**Amount to be refunded** \$  
**charged** \$

- a. [X] A check in the amount of \$470.00 to cover the above fees is enclosed.  
b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate  
copy of this sheet is enclosed.  
c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
Deposit Account No. 06-1382. A duplicate copy of this sheet is enclosed.

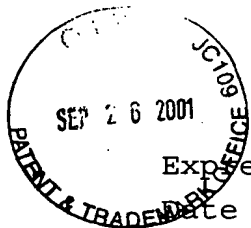
**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a)  
or (b)) must be filed and granted to restore the application to pending status.**

IN DUPLICATE

SEND ALL CORRESPONDENCE TO:  
FLYNN, THIEL, BOUTELL & TANIS, P.C.  
2026 Rambling Road  
Kalamazoo, Michigan 49008-1699

David S. Goldenberg  
Registration Number: 31 257

300.0900



09-27-01

09/937547  
JC16 Rec'd PCT/PTO SEP 26 2001  
PATENT APPLICATION

PCT

Express Mail Label No.: EL 697 493 395 US

Date of Mailing: September 26, 2001

Applicant(s) : Joachim WIECHERS, et al

For : ANALYSIS APPARATUS

PCT International Application No.: PCT/EP00/05262

PCT International Filing Date: June 7, 2000

U.S. Application No.

(if known, see 37 CFR 1.5): Unknown

Atty. Docket No.: HPBC Case 83

Box PCT

Assistant Commissioner for Patents

Washington, DC 20231

EXPRESS MAILING CERTIFICATE

Sir:

I hereby certify that the attached paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, DC 20231.

FLYNN, THIEL, BOUTELL & TANIS, P.C.

By:

Date: September 26, 2001

Document(s) attached:

Form PTO-1390 (in duplicate) with Nationalized PCT application

Preliminary Amendment Canceling Claims

Amendment Before First Office Action with all attachments listed thereon

Specification, Claims and Abstract

Drawings (3 sheets)

Declaration

Assignment and Recordation Cover Sheet

Information Disclosure Statement

Form PTO-1449 (2 pages) with copies of all references cited on page 2 thereof

Acknowledgement Postal Card

Check \$470.00

Telephone: (616) 381-1156

391.9912